

**Notice of Allowability**

Application No.

09/978,024

Examiner

Bob A. Phunkulh

Applicant(s)

GAN, KUO-CHUNG (CLIFF)

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2661

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 10/17/2001.
2. ☒ The allowed claim(s) is/are 1-3, 5-8, 10-15, 17-20, and renumbered as 1-17, respectively.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☒ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☒ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date 20050928.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date 3/12/2004
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date 20050928.
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
**BOB PHUNKULH**  
**PRIMARY EXAMINER**

## **DETAILED ACTION**

### ***Drawings***

New corrected drawings in compliance with 37 CFR 1.121(d) are required in this application because reference characters not clearly legible and legends too small (figure 1); and handwritten letters are poor quality and hard to read (figure 2) . Applicant is advised to employ the services of a competent patent draftsman outside the Office, as the U.S. Patent and Trademark Office no longer prepares new drawings. The corrected drawings are required in reply to the Office action to avoid abandonment of the application. The requirement for corrected drawings will not be held in abeyance.

## **EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Douglas H. GoldHush on 9/28/2005.

The application has been amended as follows:

1. (amended) A system for policing traffic of packet transfer in a hub, said system comprising:

a first circuit,

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a second circuit connected to said first circuit;

a first data line connecting said first circuit to said second circuit, wherein data is transmitted within and between said first circuit and said second circuit across said first data line;

a second data line connecting said first circuit to said second circuit, wherein data is transmitted within and between said first circuit and said second circuit across said second data line;

a monitor that monitors said first data line to determine when an amount of data being transmitted on said first data line within said first circuit has reached a threshold;

a blocking mechanism that prevents data from being transmitted on said first data line from said first circuit to said second circuit when the amount of data being transmitted on said first data line has reached said threshold; and

a transmitter that transmits data across said second data line, from first ports on said first circuit, to third ports on said second circuit, when the amount of data being transmitted on said first data line has reached said threshold.

2. (amended) The system as recited in claim 1,

wherein said first circuit includes said first ports connected to first data line stations and second ports connected to second data line stations, and

wherein said second circuit includes said third ports connected to first data line stations, and fourth ports connected to second data line stations,

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wherein data is transmitted on said first data line from said first ports on said first circuit to said third ports on said second circuit.

3. (amended) The system as recited in claim 1,

wherein said monitor monitors said first data line to determine when an amount of data being transmitted on said first data line within said second circuit has reached a said threshold, and

wherein said blocking mechanism prevents data from being transmitted on said first data line from said second circuit to said first circuit when the amount of data being transmitted on said first data line has reached a said threshold.

4. (cancelled).

7. (amended) A method for controlling data flow, said method comprising the steps of:

transmitting data across a first data line from a first circuit to a second circuit and within said first and second circuits;

transmitting data across a second data line from said first circuit to said second circuit and within said first and second circuits;

monitoring said first data line to determine when an amount of data being transmitted within said first circuit on said first data line has reached a threshold;

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preventing data from being transmitted on said first data line from said first circuit to said second circuit when the amount of data being transmitted on said first data line has reached said threshold; and

transmitting data across said second data line from said first circuit to said second circuit when the amount of data being transmitted on said first data line has reached said threshold.

9. (cancelled).

14. (amended) A system for controlling data flow, said system comprising:

first transmitting means for transmitting data across a first data line from a first circuit to a second circuit;

second transmitting means for transmitting data across a second data line from said first circuit to said second circuit;

monitoring means for monitoring said first data line to determine when an amount of data being transmitted within said first circuit on said first data line has reached a threshold;

first preventing means for preventing data from being transmitted on said first data line from said first circuit to said second circuit when the amount of data being transmitted on said first data line has reached said threshold; and

third transmitting means for transmitting data across said second data line from said first circuit to said second circuit when the amount of data being transmitted on said

first data line has reached said threshold.

16. (cancelled).

***Allowable Subject Matter***

Claims 1-3, 5-8, 10-15, 17-20 are allowed.

The following is an Examiner's statement of reasons for allowance:

Claims 1-3, 5-8, 10-15, 17-20 are considered allowable since when reading the claims in light of the specification, none of the references of record alone or in combination disclose or suggest the combination of limitations specified in the independent claims including

a transmitter that transmits or transmitting data across said second data line, from said first ports on said first circuit, to said third ports on said second circuit, when the amount of data being transmitted on said first data line has reached said threshold, as specified in claims 1, 7, and 14.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

***Conclusion***

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**Any response to this action should be mailed to:**

The following address mail to be delivered by the United States Postal Service (USPS) only:

Mail Stop \_\_\_\_\_  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

**or faxed to:**

(703) 872-9306, (for formal communications intended for entry)

**Or:**

The following address mail to be delivered by other delivery services (Federal Express (Fed Ex), UPS, DHL, Laser, Action, Purolater, Hand Delivery, etc.) as follow:


U.S. Patent and Trademark Office  
220 20<sup>th</sup> Street South  
Customer Window, Mail Stop \_\_\_\_\_  
Crystal Plaza Two, Lobby, Room 1B03  
Arlington, VA 22202.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Bob A. Phunkulh** whose telephone number is **(571) 272-3083**. The examiner can normally be reached on Monday-Tuesday from 8:00 A.M. to 5:00 P.M. (first week of the bi-week) and Monday-Friday (for second week of the bi-week).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor **Chau Nguyen**, can be reach on **(571) 272-3126**. The fax phone number for this group is **(571) 273-8300**.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Bob A. Phunkulh  
Primary Examiner  
TC 2600

**BOB PHUNKULH**  
**PRIMARY EXAMINER**

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*September 29, 2005*